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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/779,565	02/16/2004	Armand R. Ash-Rafzadeh	4897-000001	9015
27572	7590	06/14/2006	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			FREJD, RUSSELL WARREN	
			ART UNIT	PAPER NUMBER
			2128	

DATE MAILED: 06/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/779,565

Applicant(s)

ASH-RAFZADEH, ARMAND R.

Examiner

Russell Frejd

Art Unit

2128

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 January 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

In re Application of: Ash-Rafzadeh

Examination of Application #10/779,565

1. Claims 1-11 of application 10/779,565, filed on 16-February-2004, are presented for examination.

Claim Objections under 37 CFR 1.75(d)(1)

2. Claim 7 is objected to under 37 CFR 1.75(d)(1), wherein the phrase "synchronized data file having a data format" is understood to mean "synchronized data file has a data format".

Claim Rejections under 35 U.S.C. § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

- 3.1 Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by the article authored by Billsdon, entitled *CAD/CAM Wiring Applications: Using Mechanical CAD/CAM Systems for Wiring*.

Billsdon discloses: [Claim 1] a computer-implemented design tool for analyzing a wire harness design for an electrical system [p. 49, c. 1, par. 2];

a data store containing a synchronizing rule set [p. 52, c. 2, par. 2; p. 53, c. 1, par. 3];

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a synchronizer adapted to receive physical attribute data and electrical attribute data of an electrical system [p. 49, c. 2, section *Analysis and outputs required*], and operable to merge the physical and electrical data to form a synchronized data file in accordance with the rule set [p. 49, c. 1, par. 3; p. 50, c. 2, section [c]; p. 52, c. 1, section (c); p. 52, c. 2, par. 3; p. 53, *Conclusions*];

and a user interface operable to manipulate data in the synchronized data file [p. 50, c. 2, section (b)].

Claim 2: topographical data for at least one wire harness in the electrical system [p. 49, c. 2, section *Analysis and outputs required*].

Claim 3: topographical data consisting of bundle data, connector data, splice data, take out data and non-electrical component data [p. 49, c. 2, section *Analysis and outputs required*; p. 50, c. 2, sections (a-c)].

Claim 4: the synchronizer is connected to and extracts data from a CAD tool [p. 49, c. 2, section *Analysis and outputs required*; p. 50, c. 2, sections (a-c); p. 52, c. 1, sections (a-c)].

Claim 5: wire layout data for at least one wire [p. 49, c. 2, section *Analysis and outputs required*, especially the highlighted paragraphs].

Claim 6: the data input via the user interface [p. 50, c. 2, section (b)].

Claim 7: the synchronized data file having a different format from the physical data format [p. 50, c. 2, sections (a) and [c]; p. 53, c. 1, par. 1].

Claim 8: an interface for generating an input formatted for a simulation tool or a computer-aided engineering tool [p. 50, c. 2, section [c]; p. 52, c. 2, section [c]; p. 53, c. 1, par. 3].

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Claim 9: a user interface that displays the data [p. 51, see Panel 2].

Claim 10: the user interface receives and stores changes to the data [p. 52, section *Data storage*].

Claim 11: the limitations of this claim were discussed in the rejection of claims 1 and 2, and are therefore considered rejected for the reasons as set forth above.

Response Guidelines

4. A shortened statutory period for response to this action is set to expire **3 (three) months and 0 (zero) days** from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned (see MPEP 710.02, 710.02(b)).

4.1. Any response to the Examiner in regard to this non-final action should be

directed to: Russell Frejd, telephone number (571) 272-3779, Monday-Friday from 0530 to 1400 ET, or the examiner's supervisor, Kamini Shah, telephone number (571) 272-2279. Inquires of a general nature or relating to the status of this application should be directed to the TC2100 Group Receptionist (571) 272-2100.

mailed to: Commissioner of Patents and Trademarks
P.O. Box 1450, Alexandria, VA 22313-1450

or faxed to: (571) 273-8300

Hand-delivered responses should be brought to the Customer Service Window, Randolph Building, 401 Dulany Street, Alexandria, VA, 22314.

Date: 8-June-2006



**RUSSELL FREJD
PRIMARY EXAMINER**